http://www.nbii.gov http://wildlifedisease.nbii.gov

The National Biological Information Infrastructure

The Wildlife Disease Information Node

WDIN Highlights

An online bulletin spotlighting WDIN features and functions

April 2010 Volume 5, Issue 2

Upcoming Events

- **59th Wildlife Disease Association Annual Meeting**
  May 30 - Jun 04, 2010
  Iguazú, Argentina
- **35th Annual World Small Animal Veterinary Association Conference**
  Jun 02 - Jun 05, 2010
  Geneva, Switzerland
- **85th Annual Meeting of the American Society of Parasitologists**
  Jun 22 - Jun 25, 2010
  Colorado Springs, CO, USA
- **International Conference on Emerging Infectious Diseases**
  Jul 11 - Jul 14, 2010
  Atlanta, GA, USA

For more Upcoming Events, Visit the WDIN Event Calendar

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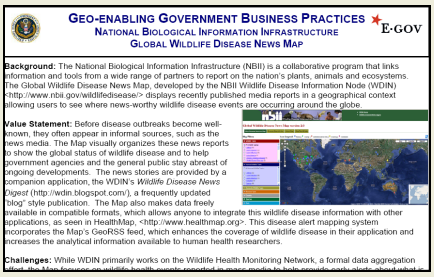
WDIN Interviews with Federal Geographic Data Committee (FGDC) Geospatial Line of Business


GEO-ENABLING GOVERNMENT BUSINESS PRACTICES
NATIONAL BIOLOGICAL INFORMATION INFRASTRUCTURE
GLOBAL WILDLIFE DISEASE NEWS MAP

Background: The National Biological Information Infrastructure (NBII) is a collaborative program that links information and tools from a wide range of partners to report on the nation's plants, animals and ecosystems. The Global Wildlife Disease News Map, developed by the NBII Wildlife Disease Information Node (WDIN) <http://www.nbii.gov/wildlifedisease/> displays recently published media reports in a geographical context allowing users to see where news-worthy wildlife disease events are occurring around the globe.

Value Statement: Before disease outbreaks become well-known, they often appear in informal sources, such as the news media. The Map visually organizes these news reports to show the global status of wildlife disease and to help government agencies and the general public stay abreast of ongoing developments. The news stories are provided by a companion application, the WDIN's *Wildlife Disease News Digest* (http://wdin.blogspot.com/), a frequently updated "blog" style publication. The Map also makes data freely available in compatible formats, which allows anyone to integrate this wildlife disease information with other applications, as seen in HealthMap, <http://www.healthmap.org>. This disease alert mapping system incorporates the Map's GeoRSS feed, which enhances the coverage of wildlife disease in their application and increases the analytical information available to human health researchers.

Challenges: While WDIN primarily works on the Wildlife Health Monitoring Network, a formal data aggregation effort, the Map focuses on wildlife health events reported in mass media to help provide early alerts about what is

Figure 1: Global Wildlife Disease News Map fact sheet

In September 2009, Technical Manager, Megan Hines, and Node Manager, Jennifer Carlino, of the NBII Wildlife Disease Information Node (WDIN) were interviewed about the WDIN Global Wildlife Disease News Map application by the Federal Geographic Data Committee's (FGDC) Geospatial Line of Business group. The result of this interview was to generate a fact sheet on the project, highlighting the impact the application has had on WDIN internal business, as well as what the application has provided for external users from the general public to other government agencies. The fact sheet is available on the Geospatial Line of Business website and here: http://www.fgdc.gov/geospatial-lob/documents/nbii-wildlife-disease-map-factsheet.pdf.

More information on NBII-Info Blog, http://nbii-info.blogspot.com/2010/03/fgdc-publishes-fact-sheet-on-wdin.html.

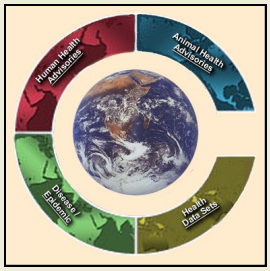


Figure 2: CEOS Health Services Portal

WDIN Application Added to NASA CEOS (Committee on Earth Observation Satellites) International Directory Network

The CEOS International Directory Network is described as a gateway to earth science data, and it is made up of numerous subject specific portals. A metadata record about the Global Wildlife Disease News Map was entered into the CEOS Health Services Portal, which holds a collection of animal and human health resources and data. The Disease Map record was placed under the category Animal Health Advisories.

NBII Wildlife Disease Information Node Presents Activities at USGS and NOAA Seminars

Figure 3: USGS and NOAA logos

Dr. Joshua Dein, NBII Wildlife Disease Information Node (WDIN) Project Leader, and Megan Hines, WDIN Technical Manager, made presentations on WDIN's projects and products on March 4 at the USGS Headquarters in Reston. Their talk, "Promoting Access to Wildlife Disease Data and Information." On March 3, 2010 they spoke on this topic at the NOAA National Marine Fisheries Service, Office of Protected Resources in Silver Spring, MD.

Slides from the presentation may be found online here or by visiting the presentations page of the WDIN website: http://wildlifedisease.nbii.gov/presentations.jsp.

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(continued from page 1)

Development of an Integrated Wild Bird Surveillance Database Project Results Presented to Armed Forces Health Surveillance Center

Figure 4: Dept. of Defense Armed Forces Health Surveillance Center logo

Dr. Joshua Dein, NBII Wildlife Disease Information Node (WDIN) Project Leader, and Megan Hines, WDIN Technical Manager, presented the results of a project entitled "Development of an Integrated Wild Bird Surveillance Database" to the Armed Forces Health Surveillance Center, Division of Global Emerging Infections Surveillance and Response System (GEIS) Operations, in Silver Spring, MD on March 3, 2010. This project was supported by AFHSC-GEIS and funded through a grant from the Henry M. Jackson Foundation for the Advancement of Military Medicine to the University of Wisconsin, Nelson Institute for Environmental Studies (a core partner of NBII WDIN).

Presentation slides can be found online here or by visiting the presentations page of the WDIN website: http://wildlifedisease.nbii.gov/presentations.jsp.

Find WDIN on Facebook and Twitter

The Wildlife Disease Information Node recently created a Facebook page and Twitter account to help make it easier for you to stay abreast of late-breaking wildlife disease information. Both resources provide access to learn about updates on the WDIN website and events calendar, gain direct access to the latest wildlife disease journal publications, receive notification when new stories are available in the WDIN News Digest, and link to recent posts on our Global Wildlife Disease News Map.

Figure 5: Twitter and Facebook icons on WDIN News Digest

You are welcome to interact with us in a number of ways. Post your favorite wildlife disease-related website, online publication or tool to our discussion board on Facebook. Tweet your own relevant sources and news stories. Stay connected with your wildlife health community.

Become a fan of our Facebook Page here and follow us on Twitter @NBII_WDIN.

Spotlight on a Disease: Avian Influenza Resources Available through WDIN Website

#	Title
1	Avian Influenza Map Showing Location of Reported Cases Based on News Articles
2	Avian Influenza Timeline - View the Spread of the Disease Day-by-Day [Map]
3	USGS National Wildlife Health Center: Avian Influenza Maps - A Compiled List
4	The Flu Virus [Image]
5	National HPAI Early Detection Data System (HEDDS) Web Site - Avian Influenza Surveillance Data and Information
6	EUROPA: Regularly Updated Avian Influenza Outbreak Summaries and Maps
7	Illustration of Antigenic Drift of the Influenza Virus [Image]
8	How Flu Invades Cells and Multiplies [Image]
9	Alaska Science Center - Image Gallery Highlighting Species Targeted for Avian Influenza Surveillance Sampling
10	Migratory Bird Flyways: Potential Pathways for Distribution of Avian Influenza

See all the newly added content to WDIN as it becomes available by subscribing to our WDIN New Content feed RSS

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New Resources Added to the WDIN Website

- Chronic Wasting Disease Update - Report No. 95 [news report] [pdf]
- England Wildlife Health Strategy [report] [pdf]
- Chronic Wasting Disease Update - Report No. 96 [news report] [pdf]
- Bat White-Nose Syndrome (WNS) Occurrence by County - Updated Jan 28, 2010 [Map]
- Chronic Wasting Disease Update - Report No. 97 [news report] [pdf]
- National Climate Change and Wildlife Science Center Website [web resource]

Who is Using the Global Wildlife Disease News Map GeoRSS?

WDIN uses a GeoRSS feed to create the Global Wildlife Disease News Map. Like a plain RSS feed, a GeoRSS can distribute textual information, such as news stories from the Wildlife Disease News Digest, but it can also be used to create maps. In additional to textual information, a GeoRSS feed has a geographical component, which can be used by mapmakers in suitable mapping applications. Below is a list of examples of how others in and outside the wildlife community are using the Map's GeoRSS feed:

- Included in news mash-up in Yahoo! Pipes - Bird Conservation News
- Exemplified in mapping tutorial - IBM Mashup Center Wiki
- Added as mapping layer - HealthMap
- Listed in mapping directory - Mapufacture

WDIN Global Wildlife Disease News Map Users by Geographic Location *January - March 2010*

People from 52 countries accessed the map. Countries with the most visits are listed below.

1. United States
2. Canada
3. Sweden
4. Spain
5. Germany
6. United Kingdom
7. Australia
8. China
9. France
10. Brazil

People from 372 cities accessed the map.

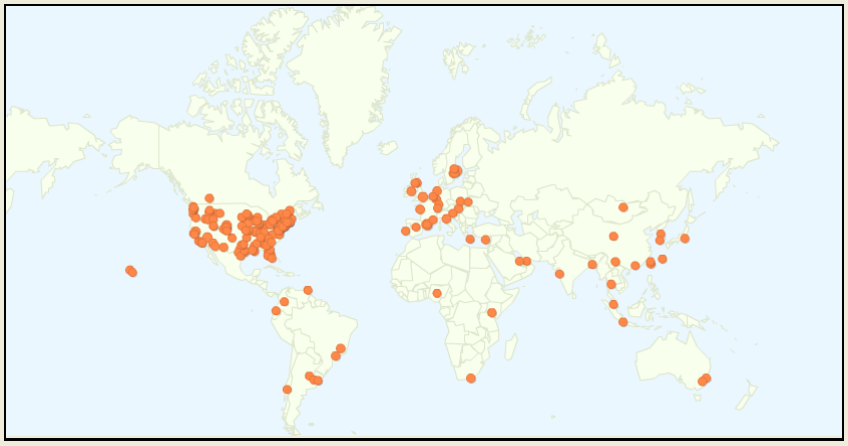

Figure 5. Number of visits, by city, to WDIN Global Wildlife Disease News Map from January through March 2010

WDIN is a part of the National Biological Information Infrastructure (NBII)

Visit our website, wildlifedisease.nbii.gov, to find more resources. Updated weekly!

USGS National Wildlife Health Center

Created by WDIN, in partnership with the UW Nelson Institute for Environmental Studies and The USGS National Wildlife Health Center

UNIVERSITY OF WISCONSIN-MADISON THE NELSON INSTITUTE FOR ENVIRONMENTAL STUDIES